

Please amend claims 1, 6, 13, and 18 as follows:

- 1 1. (Amended) A method of screening for the integration of a DNA
2 construct into a target gene having restricted expression in a mouse, said method
3 comprising:
4 (i) transforming a murine ES cell with a first DNA construct encoding
5 a first indicator component under the control of a promoter having restricted expression
6 in a mouse;
7 (ii) transforming the cell of (i) or a descendent of the cell by operably
8 integrating into the cell's genome, a second DNA construct comprising DNA encoding a
9 second indicator component not operably linked to a transcription control element;
10 (iii) producing tissue or specialized cells from the cell of (ii); and
11 (iv) monitoring the tissue or specialized cells of (iii) for a detectable
12 indicator resulting from both the first and second indicator components indicative of
13 integration of the second DNA construct into a gene having restricted expression.

- 1 6. (Amended) The method of claim 1 which additionally
2 comprises isolating DNA endogenous to the cell or descendent thereof which flanks the
3 second DNA construct integrated into a gene having restricted expression.

- 1 13. (Amended) A murine ES cell or descendent thereof,
2 transformed by the combination of DNA constructs of claim 12.

- 1 18. (Amended) A method of producing murine tissue or specialized
2 cells comprising a detectable indicator associated with a target gene having restricted
3 expression, which comprises:
4 (i) transforming a murine ES cell with a first DNA construct encoding
5 a first indicator component under the control of a promoter having restricted expression
6 in a mouse;